U.S. Serial No. 10/043 572

## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

(i)	APPLICANT	:	Neil MILES
(ii)	TITLE OF INVENTION	:	PEACH TREE 'V75074'
(iii)	NUMBER OF SEQUENCES	:	7
	CORRESPONDENCE ADDRESS	:	DIVAN MUIDI
	(A) ADDRESSEE	:	FLYNN, THIEL, BOUTELL & TANIS, P.C.
	(B) STREET	:	2026 Rambling Road
	(C) CITY		Kalamazoo
		•	Michigan
	(E) COUNTRY	•	OSA
	(F) ZIP		49008-1631
	(F) ZIP	•	49008-1651
(V)	COMPUTER READABLE FORM	:	•
• • •	(A) MEDIUM TYPE	:	Diskette, 3.5 inches, 1.44 Mb storage
	(B) COMPUTER	:	Gateway
	(C) OPERATING SYSTEM	:	Microsoft Windows 98
	(D) SOFTWARE	:	Word 2000
(vi)	CURRENT APPLICATION DATA	:	40.40.40.500
	(A) APPLICATION NUMBER	:	10/043 572
		:	January 10, 2002
	(C) CLASSIFICATION	:	Plant
(vii)	PRIOR APPLICATION DATA	: .	N/A
( /	(A) APPLICATION NUMBER	:	
	(B) FILING DATE	:	
(viii	)ATTORNEY/AGENT INFORMATION	:	
	(A) NAME	:	Sidney B. Williams, Jr.
	(B) REGISTRATION NUMBER	:	24 949
	(C) REFERENCE/DOCKET NUMBER	:	IPPM Case 7
(i.x)	TELECOMMUNICATION INFORMATION		
. ~ ~ /	(A) TELEPHONE		(269) 381-1156
	(B) TELEFAX	·	(269) 381-5465
	/ w/	•	1205, 002 0100

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(2) INFORMATION FOR CPPCT030-A : Sequence ID No. 1

: TGAATATTGTTCCTCAATTC Sequence 5' to 3'

SEQUENCE CHARACTERISTICS : (i)

(A) LENGTH
(B) TYPE : 20

(C) STRANDEDNESS

(D) LENGTH

: DNA (11) MOLECULE TYPE

(iii) HYPOTHETICAL

(iv) ANTI-SENSE

(v) ORIGINAL SOURCE

(A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE :

(vi) IMMEDIATE SOURCE

(B) CLONE (C) OTHER : SYNTHETIC

(x) PUBLICATION INFORMATION

(A) AUTHORS
(B) TITLE

: Aranzana et al.: Development and Variability Analysis

: Of Microsatellite Markers in

Peach : Plant Breeding

: 121

(C) JOURNAL (D) VOLUME (F) PAGES : 87-92 : 2002 (G) DATE (K) RELEVANT RESIDUES

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(3) INFORMATION FOR CPPCT030-B : Sequence ID No. 2 Sequence 5' to 3' : CTCTAGGCAAGAGATGAGA

SEQUENCE CHARACTERISTICS

· : 19 (A) LENGTH

(B) TYPE (C) STRANDEDNESS :

(E) LENGTH

(ii) MOLECULE TYPE : DNA

(iii) HYPOTHETICAL :

(iv) ANTI-SENSE

ORIGINAL SOURCE (v)

: ARTIFICIAL

(B) INDIVIDUAL/ISOLATE : (C) CELL TYPE

IMMEDIATE SOURCE : (vi)

(B) CLONE (C) OTHER : SYNTHETIC

PUBLICATION INFORMATION : (x)

> (A) AUTHORS : Aranzana et al.

: Development and Variability (B) TITLE

:

:

Analysis

: Of Microsatellite Markers in

Peach

(C) JOURNAL : Plant Breeding

(D) VOLUME 121 : 87-92 (F) PAGES (G) DATE : 2002

(K) RELEVANT RESIDUES

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(4) INFORMATION FOR Pchcms2-A : Sequence ID No. 3 : AGGGTCGTCTCTTTGAC Sequence 5' to 3' SEQUENCE CHARACTERISTICS (A) LENGTH : 17 (B) TYPE (C) STRANDEDNESS (F) LENGTH (ii) MOLECULE TYPE : DNA (iii) HYPOTHETICAL (iv) ANTI-SENSE (V) ORIGINAL SOURCE (B) INDIVIDUAL/ISOLATE : ARTIFICIAL (C) CELL TYPE (C) CELL TYPE : IMMEDIATE SOURCE (vi) (B) CLONE : SYNTHETIC (C) OTHER PUBLICATION INFORMATION (x)(A) AUTHORS : Sosinski et al. : Characterization of (B) TITLE Microsatellite Markers : In Peach [Prunus persica (L.) Batsch] Batscn; : Theor. Appl. Genet. (C) JOURNAL : 101 : 421-428 (D) VOLUME (F) PAGES (G) DATE : 2000 (K) RELEVANT RESIDUES

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(5) INFORMATION FOR Pchcms2-B : Sequence ID No. 4 : CTTCGTTTCAAGGCCTG Sequence 5' to 3' SEQUENCE CHARACTERISTICS : 17 (A) LENGTH (B) TYPE (C) STRANDEDNESS (G) LENGTH : DNA (ii) MOLECULE TYPE (iii) HYPOTHETICAL (iv) ANTI-SENSE (v) ORIGINAL SOURCE (A) ORGANISM : ARTIFICIAL
(B) INDIVIDUAL/ISOLATE : (C) CELL TYPE ; (vi) IMMEDIATE SOURCE (B) CLONE (C) OTHER : SYNTHETIC PUBLICATION INFORMATION (A) AUTHORS : Sosinski et al. : Characterization of (B) TITLE Microsatellite Markers : In Peach [Prunus persica (L.) Batsch] (C) JOURNAL : Theor. Appl. Genet. (D) VOLUME (F) PAGES : 101 : 421-428 (G) DATE : 2000 (K) RELEVANT RESIDUES

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(6) INFORMATION FOR Pchcms5-A : Sequence ID No. 5 : CGCCCATGACAAACTTA Sequence 5' to 3' SEQUENCE CHARACTERISTICS : : 17 (A) LENGTH (B) TYPE (C) STRANDEDNESS : (H) LENGTH : DNA (ii) MOLECULE TYPE (iii) HYPOTHETICAL (iv) ANTI-SENSE RIGINAL SOURCE :

(A) ORGANISM : ARTIFICIAL

(B) INDIVIDUAL/ISOLATE :

(C) CFLL TYPE : (v) ORIGINAL SOURCE (vi) IMMEDIATE SOURCE (B) CLONE (C) OTHER : SYNTHETIC PUBLICATION INFORMATION (x) (A) AUTHORS
(B) TITLE : Sosinski et al. : Characterization of Microsatellite Markers : In Peach [Prunus persica (L.) matsch]
: Theor. Appl. Genet.
: 101 (C) JOURNAL (D) VOLUME (F) PAGES (G) DATE : 421-428 : 2000 (K) RELEVANT RESIDUES

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(7) INFORMATION FOR Pchcms5-B : Sequence ID No. 6 : GTCAAGAGGTACACCAG Sequence 5' to 3' SEQUENCE CHARACTERISTICS (i) : 17 (A) LENGTH
(B) TYPE (C) STRANDEDNESS (I) LENGTH : DNA (ii) MOLECULE TYPE (iii) HYPOTHETICAL : (iv) ANTI-SENSE (v) ORIGINAL SOURCE :

(A) ORGANISM : ARTIFICIAL

(B) INDIVIDUAL/ISOLATE :

(C) CELL TYPE : (vi) IMMEDIATE SOURCE : (B) CLONE (C) OTHER : SYNTHETIC PUBLICATION INFORMATION (x) (A) AUTHORS
(B) TITLE : Sosinski et al. : Characterization of Microsatellite Markers : In Peach [Prunus persica (L.) Batsch]
: Theor. Appl. Genet.
: 101 (C) JOURNAL (D) VOLUME PAGES : 421-428 : 2000 (G) DATE (K) RELEVANT RESIDUES

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(8) INFORMATION FOR UDP96-013-A
                                 : Sequence ID No. 7
                                  : ATTCTTCACTACACGTGCACG
Sequence 5' to 3'
     SEQUENCE CHARACTERISTICS
        (A) LENGTH
                                   : 21
        (B) TYPE
        (C) STRANDEDNESS
   (J) LENGTH
(ii) MOLECULE TYPE
                                   : DNA
(iii) HYPOTHETICAL
(iv) ANTI-SENSE
     ORIGINAL SOURCE
(v)
        (A) ORGANISM
(B) INDIVIDUAL/ISOLATE
                                     ARTIFICIAL
                                  :
        (C) CELL TYPE
      IMMEDIATE SOURCE
(vi)
        (B) CLONE
(C) OTHER
                                  : SYNTHETIC
     PUBLICATION INFORMATION
(X)
                                   : Cipriani et al.
        (A) AUTHORS
        (B) TITLE
                                   : AC/GT and AG/CT Microsatellite
                                      Repeats in
                                     Peach [Prunus persica (L)
                                      Batsch]: isolation,
                                   : Characterization, and cross-
                                      species
                                     Amplification in Prunus
                                      Theor, Appl. Genet.
        (C)
            JOURNAL
            VOLUME
        (D)
                                  : 65-72
        (F) PAGES
        (G) DATE
(K) RELEVANT RESIDUES
                                     1999
      PUBLICATION INFORMATION
(x)
        (A) AUTHORS
                                   : Testolin et al.
                                   : Microsatellite DNA in peach
        (B) TITLE
                                      (Prunus
                                   : persica L. Batsch) and its use in
                                   : Fingerprinting and testing the
                                      genetic
                                   : Origin of cultivars
        (C) JOURNAL
                                  : Genome
        (D) VOLUME
                                  : 43
                                  : 512-520
        (F) PAGES
(G) DATE
        (G)
                                      2000
        (K) RELEVANT RESIDUES
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(F) PAGES (G) DATE

(K) RELEVANT RESIDUES

(G)

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(9) INFORMATION FOR UDP96-013-B : Sequence ID No. 8
                                  : CCCCAGACATACTGTGGCTT
Sequence 5' to 3'
      SEQUENCE CHARACTERISTICS
(1)
                                   : 20
        (A) LENGTH
        (B) TYPE
        (C) STRANDEDNESS
   (K) LENGTH
(ii) MOLECULE TYPE
                                  : DNA
(iii) HYPOTHETICAL
                                   :
     ANTI-SENSE
(iv)
      ORIGINAL SOURCE
(V)
                                   :
                                   : ARTIFICIAL
        (A) ORGANISM : (B) INDIVIDUAL/ISOLATE :
        (C) CELL TYPE
                                 :
     IMMEDIATE SOURCE
(vi)
        (B) CLONE
(C) OTHER
                                  : SYNTHETIC
      PUBLICATION INFORMATION
(x)
        (A) AUTHORS
                                   : Cipriani et al.
        (B) TITLE
                                   : AC/GT and AG/CT Microsatellite
                                      Repeats in
                                   : Peach (Prunus persica (L)
                                      Batsch]: isolation,
                                   : Characterization, and cross-
                                      species
                                   : Amplification in Prunus
                                      Theor. Appl. Genet.
        (C) JOURNAL
        (D) VOLUME
                                   : 65-72
        (F) PAGES
        (G) DATE
(K) RELEVANT RESIDUES
                                      1999
(x)
      PUBLICATION INFORMATION
        (A) AUTHORS
                                   : Testolin et al.: Microsatellite DNA in peach
        (B) TITLE
                                      (Prunus
                                   : persica L. Batsch) and its use in
                                    : Fingerprinting and testing the
                                      genetic
                                   : Origin of cultivars
        (C) JOURNAL
                                   : Genome
        (D) VÔLUMÊ
                                   : 43
```

: 512-520 : 2000

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(10) INFORMATION FOR UDP98-407-A : Sequence ID No. 9 : AGCGGCAGGCTAAATATCAA Sequence 5' to 3' SEQUENCE CHARACTERISTICS : 20 (A) LENGTH (B) TYPE (C) STRANDEDNESS t (L) LENGTH : DNA (ii) MOLECULE TYPE (iii) HYPOTHETICAL (iv) ANTI-SENSE : ORIGINAL SOURCE RIGINAL SOURCE : (A) ORGANISM : ARTIFICIAL (B) INDIVIDUAL/ISOLATE : (C) CELL TYPE : IMMEDIATE SOURCE : (vi) (B) CLONE (C) OTHER : SYNTHETIC PUBLICATION INFORMATION (x) (A) AUTHORS : Cipriani et al. : AC/GT and AG/CT Microsatellite (B) TITLE Repeats in : Peach (Prunus persica (L) Batsch]: isolation, : Characterization, and crossspecies : Amplification in Prunus : Theor. Appl. Genet. (C) JOURNAL (D) VOLUME (F) PAGES (G) DATE (K) RELEVANT RESIDUES : 65-72 : 1999 PUBLICATION INFORMATION (x)Testolin et al. (A) AUTHORS : Microsatellite DNA in peach (B) TITLE (Prunus : persica L. Batsch) and its use in : Fingerprinting and testing the genetic : Origin of cultivars (C) JOURNAL (D) VOLUME (F) PAGES (G) DATE : Genome : 43 : 512-52 : 2000 512-520 (K) RELEVANT RESIDUES

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(11) INFORMATION FOR UDP98-407-B : Sequence ID No. 10 : AATCGCCGATCAAAGCAAC Sequence 5' to 3' SEQUENCE CHARACTERISTICS : 19 (A) LENGTH (B) TYPE (C) STRANDEDNESS (M) LENGTH (ii) MOLECULE TYPE : DNA (iii) HYPOTHETICAL : (iv) ANTI-SENSE ORIGINAL SOURCE : ARTIFICIAL (A) ORGANISM (B) INDIVIDUAL/ISOLATE : (C) CELL TYPE : IMMEDIATE SOURCE (vi) (B) CLONE (C) OTHER : SYNTHETIC PUBLICATION INFORMATION (x)(A) AUTHORS : Cipriani et al. : AC/GT and AG/CT Microsatellite (B) TITLE Repeats in : Peach [Prunus persica (L) Batsch]: isolation, : Characterization, and crossspecies : Amplification in Prunus JOURNAL : Theor. Appl. Genet. (C) : 99 VOLUME (D) 65-72 PAGES (F) 1999 DATE (G) (K) RELEVANT RESIDUES PUBLICATION INFORMATION (x) : Testolin et al. (A) AUTHORS (B) TITLE : Microsatellite DNA in peach (Prunus : persica L. Batsch) and its use in : Fingerprinting and testing the genetic : Origin of cultivars (C) JOURNAL : Genome VOLUME 43 (D) (F) PAGES 512-520 (G) DATE : 2000 (K) RELEVANT RESIDUES

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(12) INFORMATION FOR BPPCT025-A	: Sequence ID No. 11
Sequence 5' to 3'	: TCCTGCGTAGAAGAAGGTAGC
(i) SEQUENCE CHARACTERISTICS  (A) LENGTH  (B) TYPE  (C) STRANDEDNESS  (N) LENGTH	: 21 :
(ii) MOLECULE TYPE	: DNA
(iii) HYPOTHETICAL	:
(iv) ANTI-SENSE	<b>;</b>
(v) ORIGINAL SOURCE (A) ORGANISM (B) INDIVIDUAL/ISOLATE (C) CELL TYPE	: ARTIFICIAL :
(vi) IMMEDIATE SOURCE (B) CLONE (C) OTHER	: : : SYNTHETIC
(x) PUBLICATION INFORMATION (A) AUTHORS (B) TITLE	: Dirlewanger et al. Development of microsatellite markers In peach (Prunus persica (L.) Batsch] And their use in genetic diversity Analysis in peach and sweat cherry
(C) JOURNAL (D) VOLUME (F) PAGES (G) DATE (K) RELEVANT RESIDUËS	: Theor. Appl. Genet. : 105 : 127-138 : 2002

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(13) INFORMATION FOR BPPCT025-B : Sequence ID No. 12 : CGACATAAAGTCCAAATGGC Sequence 5' to 3' SEQUENCE CHARACTERISTICS (A) LENGTH 20 (B) TYPE (C) STRANDEDNESS (O) LENGTH MOLECULE TYPE : DNA (ii) (iii) HYPOTHETICAL ANTI-SENSE (iv) ORIGINAL SOURCE (v) ARTIFICIAL (A) ORGANISM (B) INDIVIDUAL/ISOLATE
(C) CELL TYPE : IMMEDIATE SOURCE (vi) (B) CLONE : : SYNTHETIC (C) OTHER PUBLICATION INFORMATION (x) : Dirlewanger et al. (A) AUTHORS : Development of microsatellite (B) TITLE markers : In peach [Prunus persica (L.) Batsch] : And their use in genetic diversity : Analysis in peach and sweet cherry : Theor. Appl. Genet. : 105 (C) JOURNAL VOLUME (D) (F) PAGES : 127-138 (G) DATE : 2002 (K) RELEVANT RESIDUES

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(14) INFORMATION FOR Pchgms1-A : Sequence 1D No. 13 : GGGTAAATATGCCCATTGTGCAATC Sequence 5' to 3' SEQUENCE CHARACTERISTICS : (i) : 25 (A) LENGTH (B) TYPE (C) STRANDEDNESS (P) LENGTH : DNA (ii) MOLECULE TYPE (iii) HYPOTHETICAL (iv) ANTI-SENSE (v) ORIGINAL SOURCE (A) ORGANISM :
(B) INDIVIDUAL/ISOLATE :
(C) CELL TYPE : : ARTIFICIAL (vi) IMMEDIATE SOURCE (B) CLONE . (C) OTHER : SYNTHETIC PUBLICATION INFORMATION (x) (A) AUTHORS
(B) TITLE : Sosinski et al. : Characterization of Microsatellite Markers : In Peach (Prunus persica (L.) Batsch) : Theor. Appl. Genet. (C) JOURNAL (D) VOLUME : 101 : 421-428 : 2000 (F) PAGES (G) DATE (K) RELEVANT RESIDUES

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: Sequence ID No. 14 (15) INFORMATION FOR Pchgms1-B : GGATCATTGAACTACGTCAATCCTC Sequence 5' to 3' SEQUENCE CHARACTERISTICS (A) LENGTH (B) TYPE (C) STRANDEDNESS (Q) LENGTH (ii) MOLECULE TYPE DNA (111) HYPOTHETICAL (iv) ANTI-SENSE ORIGINAL SOURCE (V) (A) ORGANISM : (B) INDIVIDUAL/ISOLATE : : ARTIFICIAL (C) ÇELL TYPE 1 IMMEDIATE SOURCE : (vi) (B) CLONE : SYNTHETIC (C) OTHER (x) PUBLICATION INFORMATION (A) AUTHORS : Sosinski et al. : Characterization of (B) TITLE Microsatellite Markers : In Peach [Prunus persica (L.) Batsch] : Theor. Appl. Genet. (C) JOURNAL : 101 : 421-428 (D) VOLUME (F) PAGES 2000 DATE (G) (K) RELEVANT RESIDUES